Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/21/2019 12:16 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125653	0	1.95	125658	2.00
Blue	F	SSC	125000	124360	-1	3.69	125106	3.68
Blue	E	FITC	16694	16485	-2	3.77	383	22.41
Blue	D	PE	32792	32609	-1	2.97	720	17.12
Blue	B	PerCP-Cy5-5	44451	43830	-2	4.66	1201	24.19
Blue	A	PE-Cy7	33645	33370	-1	7.05	595	50.28
Red	C	APC	47008	46936	-1	3.02	1817	13.66
Red	A	APC-Cy7	32298	32133	-1	2.90	806	14.15
Violet	B	V450	8961	8702	-3	4.97	613	14.19
Violet	A	V500	32726	31718	-4	4.56	791	11.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20945	4.41	614	1	N/A	N/A	Pass
Blue	F	SSC	56434	3.03	585	17	N/A	N/A	Pass
Blue	E	FITC	63	75.85	570	7	0.0152	192	Pass
Blue	D	PE	141	60.86	575	9	0.1169	285	Pass
Blue	B	PerCP-Cy5-5	219	58.10	678	7	0.0065	25	Pass
Blue	A	PE-Cy7	117	125.74	733	7	0.0083	27	Pass
Red	C	APC	415	29.22	615	2	0.0182	126	Pass
Red	A	APC-Cy7	197	32.03	586	1	0.0045	1059	Pass
Violet	B	V450	143	38.96	487	1	0.0261	1271	Pass
Violet	A	V500	124	36.13	497	1	0.0168	876	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.63	-31.97	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.53	13.60 - 20.40	N/A	N/A	28.78	29.52	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9582

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments